FORESTRY ABSTRACTS

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1. **Classification.** Abstracts are classified according to the *Oxford System of Decimal Classification for Forestry* (ODC). *See inside front cover.* Editions of this publication are also available from other sources in a number of languages.

2. **Terminology.** Terms appearing in the *Concise Oxford Dictionary* and Chambers' *Dictionary of Science and Technology* are ordinarily used in the text without explanation. The *Terminology of Forest Science, Technology, Practice and Products* and the *British Commonwealth Forest Terminology* are followed for forestry terms.

3. **Title Citations:**

(a) Titles. Titles of articles appearing in periodicals or numbered serial publications are given in English only (translated if the original is not in English); titles of books and all unnumbered publications are given both in the original language and in English.

(b) Language symbols. Capital initial letters indicate the language of the text, small letters the language(s) of the summary. The following abbreviations are used:

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Ch	= Chinese	In	= Indonesian	Ro	= Rumanian
Cs	= Czech	Is	= Icelandic	Ru	= Russian
Da	= Danish	It	= Italian	Sh	= Serbo-Croatian
De	= German	Ja	= Japanese	Sk	= Slovakian
Ee	= Estonian	Ko	= Korean	Sn	= Slovenian
En	= English	Li	= Lithuanian	Sv	= Swedish
Es	= Spanish	Lv	= Latvian	Tr	= Turkish
Fi	= Finnish	Ma	= Macedonian	Uk	= Ukrainian

(c) Library Source. Capital letters at the end of a reference, where present—e.g. PR, ORS, etc.—show the place where the actual publication seen by the Bureau is lodged. Where no capital letters are cited the publication is lodged in the library of the Commonwealth Forestry Institute, Oxford. The following abbreviations are used:

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CGB	Commonwealth Bureau of Plant Breeding and Genetics, Department of Applied Biology, Downing Street, Cambridge.
CIE (formerly IIE)	Commonwealth Institute of Entomology, 56 Queen's Gate, London SW7 5JR
CMI (formerly IMI)	Commonwealth Mycological Institute, Ferry Lane, Kew, Richmond TW9 3AF
EMB	Commonwealth Bureau of Horticulture and Plantation Crops, East Malling Research Station, Kent.
HSB	Rothamsted Experimental Station, Harpenden, Herts.
LTP	Tropical Products Institute, 56/62 Gray's Inn Road, London, W.C.2.
OAEc.	Agricultural Economics Research Institute, Dartington House, Little Clarendon Street, Oxford.
OB	Bodleian Library, Oxford
OBD	Dept. of Botany, South Parks Rd., Oxford.
OH	Hope Dept. of Entomology, University Museum, Parks Road, Oxford.

ORE	Department of Agriculture, Parks Road, Oxford,
ORS	Radcliffe Science Library, South Parks Road, Oxford.
OW	ARC Weed Research Organisation, Yarnton, Oxford, OX5 1PF.
OZ	Department of Zoology. Oxford.
PO	The British Library, Science Reference Library, 25 Southampton Buildings, Chancery Lane, London, W.C.2.
PR	Building Research Establishment, Princes Risborough Laboratory, Aylesbury, Bucks.
Reinbek	Bundesforschungsanstalt fur Forst- und Holzwirtschaft, Reinbek, W. Germany.
TRADA	Timber Research and Development Association, Hughenden Valley, High Wycombe, Bucks.
X	Miscellaneous; apply to Commonwealth Forestry Bureau for details.

4. Abbreviations and Symbols

(a) Abbreviations include:

a.e.	= acid equivalent	g.b.h.	= girth, breast height	oz	= ounce(s)
a.i.	= active ingredient			p.a.	= per annum
b.a.	= basal area	hp	= horse-power	p.a.	= periodic annual increment
bd ft	= board foot (feet)	ht.	= height		
b.h.	= breast height	lb	= pounds(s) (weight)	p.p.m.	= parts per million
ca.	= (*circa*) approximately	LC or LD	= lethal concentration or lethal dose	r.h.	= relative humidity
				s.l.	= *sensu lato*
c.a.i.	= current annual increment	m.a.i.	= mean annual increment	sp.gr.	= specific gravity
				s.s.	= *sensu stricto*
cf.	= (*confer*) compare			u.b.	= under bark
cv(s).	= cultivar(s)	min	= minutes	viz.	= *videlicet* ; namely
d.b.h.	= diameter, breast height	m.c.	= moisture content	vs.	= *versus*; compared with
		o.b.	= over bark		
gal	= gallon(s)			wt.	= weight
(1 US gal	= 0.84 English gal)			Also *FA*	= Forestry Abstracts

(b) Symbols include:

∥	= parallel (in timber testing, 'parallel to grain')	≯	= not greater than
		≮	= not less than
⊥	= at 90° ; perpendicular (in timber testing, 'perpendicular to grain')	×	(with scientific names) = hybrid
		+	(with scientific names) = graft chimaera; asexual hybrid
≈	= approximately equals	♂(s)	= male(s)
>	= greater than	♀(s)	= female(s)
<	= less than	⚥(s)	= hermaphrodite(s)
≥	= equal to or greater than		
≤	= equal to or less than		

5. Dissertation Abstracts International

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6. Back and Cross References:

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(b) Cross references to notices appearing in the same number of *Forestry Abstracts* are given under the classification headings.

e.g. **864. Utilization of Lignin**
See also absts. 5769, 6062.

Cross references may also occur in the text of abstracts.

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ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 27

Page	*Abstract*	*Line*	
316	2833	22	for '*P. henckelii*' read '*P. henkelii*'
Species Index			
876	col. 3		for '*P.[odocarpus] henckelii*' read '*P. henkelii*'

Volume 28

315	2568	penult.	for '*Neodiprion*' read '*Nesodiprion*'

Volume 29

118	905	9-10	for '*Neodiprion*' read '*Nesodiprion*'

Volume 30

181	1617	11	for '*Virola theidora*' read '*Virola theiodora*'
Species Index			
851	col. 3		for 'V. theidora' read 'V. theiodora'

Volume 31

Species Index

947	col. 1	delete 'Afrormosia mooniana 6009'
956	col. 3	for 'Pericopsis *see* Afrormosia' read 'Pericopsis *see also* Afrormosia' insert 'Pericopsis mooniana 6009'
972	col. 3	for 'V[irola] theidora' read 'V. theiodora'

Volume 32

500	4144	8&14	for 'cupboard' read 'storehouse'

Volume 33

346	2955	7	for '*Pinus pinaster*' read '*Pinus radiata*'
383	3279	8	for '*P. henckelii*' read '*P. henkelii*'
582	4982	3	for 'acres' read 'ares'
582	4982	8	for '214' read '1214'
582	4982	11	for 'acre' read 'are'

Author Index

883	col. 3		before 'Uland' insert 'Ujvári, F. *see* Szőnyi, L.'

Species Index

891	col. 1	after 'A[lnus] incana' delete ', 5932'
891	col. 1	after 'A[lnus] tenuifolia' for '5932' read '5933'
895	col. 2	for 'E[ucalyptus] bownii' read 'E. brownii'
909	col. 2	for 'P[odocarpus] henckelii' read 'P. henkelii'

Volume 34

404	4404	5	for '3' read '='
454	4929	last	for '5278' read '5728'

Species Index

731	col. 2	***E[ucalyptus] robusta*** for '1524' read '1254'

Volume 35

67	627	3	for '**Scolytidae**' read '**Scolytoidea**'
69	654	1	for 'B.W.F. de' read 'B.W.P. de'
168	1669	9	for '*Corticum*' read '*Corticium*'
217	2195	3	for 'En' read 'In'
225	2283	14	for '*obliquinervum*' read '*obliquinervium*'
345	3496	6	for '*Crescentia alba*' read '*Crescentia alata*'
397	4041	1	for 'SAITCH' read 'SAITOH'
407	4146	1	for 'SUBRAMIAN' read 'SUBRAMANIAN'
442	4531	2	before '*Farm Research*' insert '*North Dakota*'
463	4767	9	for 'Fields' read 'Yields'
465	4784	1	for 'McGINNESS' read 'McGINNES'
488	5046	1	for 'PAUCŬ-COMĂNESCU' read 'PAUCĂ-COMĂNESCU'
576	6004	4	for '**14**' read '**13**'
659	6798	8	for '*P. heckelii*' read '*P. henkelii*'
682	7052	1	for 'SKRZYPCYŃSKA' read 'SKRZYPCZYŃSKA'
770	7827	2	after '**planning.**]' insert 'Ein Modell des Forstbetriebes.'

Species Index

826	col. 1		for '***C[alophyllum] obliquinervum***' read '***C. obliquinervium***'
827	col. 2		after '***Crescentia alata***' insert '3496,' delete '***C[rescentia] alba*** 3496'
846	col. 1		for '***P[odocarpus] heckelii***' read '***P. henkelii***'

Volume 36

9	100	1	for 'R. VON' read 'E. VON'
88	974	5	for '*FA 33*, 612' read '*FA 33*, 6412'
98	1090		delete whole abstract
155	1715	1	for 'RANCH' read 'RAUCH'
164	1832	1	for 'SIEGAL' read 'SIEGEL'
232	2561	10	for '*Kandella*' read '*Kandelia*'
252	2791	2	for '*Candian*' read '*Canadian*'
254	2820	10	for '*laricina*' read '*lariciana*'
309	3453	2	for '***Corythuca***' read '***Corythucha***'
317	3552	1	for '**arthotropic**' read '**orthotropic**'
372	4135	2	for '***Fursaphelenchus***' read '***Bursaphelenchus***'
440	4910	2	for '***Corythuca***' read '***Corythucha***'
440	4911	penult.	for '*Corythuca*' read '*Corythucha*'
511	5741	8	for 'Germany. Newly hatched' read 'stomatic strips at the'
524	5906	4	for '*German*' read '*Government*'
548	6180	5	for '**Evalution**' read '**Evolution**'
605	6832	2	for '*Grosko*' read '*Gorsko*'
655	7440	3	for '7-85' read '75-85'

NOTES ON INDEXES

For expediency under mechanized production, the five indexes formerly produced (Authors, Woody Species, Diseases and Invertebrate Pests, Subject, and Geographical) have been rearranged and are represented, from Volume 34 onward, by indexes to (1) Authors, (2) Species, and (3) Subject. The following notes will assist readers in their use.

(1) *Author Index*. In this, all authors are now listed individually without cross-references, e.g. a paper by Vance, C.P., and Garraway, M.O. appears simply as Vance, C.P. under V, and Garraway, M.O. under G. All separate name particles, e.g. 'de', 'von', 'le', are transposed to follow the author's initials, but names beginning with 'le' will be found under 'le' also.

(2) *Species Index*. This now comprises the scientific names (including those of families etc.) of woody species and of lower organisms, whether plant or animal, i.e. it combines the former Species Index and the Index of Diseases and Invertebrate Pests.

It is important to note that: (a) herbaceous plants are not indexed individually; and (b) vertebrates (chiefly birds and mammals) are not included in this index of scientific names, but will be found in the Subject Index under the English names of the groups to which they belong, e.g. Deer, Rabbits and hares, Mice, rats and voles, Squirrels.

As before, where there are many references to a tree species the entries are broken down under subheads.

An effort has been made to include cross-references between synonyms that occur frequently in the literature; it must be understood that the name selected for indexing will usually be that which is most commonly employed. In most cases, the name selected will be the taxonomically valid one, but the exigencies of routine work make it impracticable for the Bureau to enquire closely into difficult problems of nomenclature for the great range of organisms indexed, and some synonyms may remain undetected.

(3) *Subject Index*. This now includes subject references proper and geographical references. The lay-out is unchanged, though considerable revision of both main heads and subheads has been undertaken. Again, many signposts have been included, in the form of cross-references to synonyms and references to related heads. The chief advice to be offered to the reader is that a subject reference is not normally made when the information is considered relevant to one species only: in such cases the reader should consult the Species Index, and in all cases where the species concerned is the prime consideration the Species Index should be consulted first. The geographical references, as hitherto, are restricted to those of a general nature, i.e. to cases in which the country or region referred to is the most important element in the information given.